



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

DOGMA File

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
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September 22, 1987

Mr. L.B. Giles
Plant Manager
Ideal Basic Industries
Auxiliary Route Number 3
Morgan, Utah 84050

Dear Mr. Giles:

Re: Mining and Reclamation Plan, Devil's Slide Cement Plant,
ACT/029/001, Morgan County, Utah

The Notice of Tentative Approval for the Devil's Slide Mine was published August 3, 1987, in the Salt Lake Tribune and the Deseret News and August 7, 1987, in the Morgan County News. The 30 day period is now over without any comment. Therefore, the next item is to obtain the bond. The plan can then be submitted to the Board of Oil, Gas and Mining for final approval.

Our engineers computed the bond to be \$198,000 - a copy of the computation sheet is enclosed. If you have questions on this matter, please call Mining Engineer Frank Filas at the above number.

Enclosed is a bonding packet. You may select which type of bond you want to use, fill out the appropriate forms, and submit them with the bond.

We would like to complete this case as soon as practical; therefore, we would appreciate it if we could receive the bond by November 1, 1987.

Sincerely,

Lowell P. Braxton
Administrator
Mineral Resource Development
and Reclamation Program

clj
Enclosure
cc: F. Jensen
1212R/100

BREAKDOWN OF RECLAMATION ACTIVITIES

TOTAL FOR REVEGETATION -	\$54,837.19
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DRAINAGE RESTORATION

CHANNEL CONSTR./ROCK PLACEMENT	TRACTOR	1418 FT	50 FT/HR	\$67.35 /HOUR	\$1,910.05
	LABORER	1418 FT	50 FT/HR	\$23.65 /HOUR	\$670.71
FILTER AND RIPRAP		920 TONS	1	\$11.00 /TON	\$10,120.00

TOTAL FOR DRAINAGE RESTORATION - \$12,700.76

ENGINEERING AND SUPERVISION

	FOREMAN	400 HRS		\$33.65 /HR	\$13,460.00
	TECH STAFF	300 HRS		\$30.00 /HR	\$9,000.00

TOTAL FOR ENGINEERING AND SUPERVISION - \$22,460.00

MAINTENANCE AND MONITORING

REVEGETATION OF 20% OF AREA	15.74	15.74 ACRES		\$696.79 /ACRE	\$10,967
PERIODIC MONITORING		5 SITE VISITS		\$200.00 /VISIT	\$1,000

⇒ 78.7 ACRES

TOTAL FOR MAINTENANCE AND MONITORING \$11,967.47

***** SUBTOTAL FOR ALL ACTIVITIES \$163,332.71

TEN PERCENT CONTINGENCY \$16,333.27

SUBTOTAL IN 1987 DOLLARS \$179,665.99

TOTAL WITH ESCALATION, 2% FOR 5 YEARS \$198,074

TOTAL BOND AMOUNT ESTIMATED TO THE NEAREST \$1,000 IN 1992\$ - \$198,000

LABOR	UNIT	
UNIT COSTS(INCL. O&P)	COST	LABEL
LABORER	\$23.65	LABORER
LIGHT EQUIPMENT OPERATOR	\$28.65	LT OPERATOR
MEDIUM EQUIPMENT OPERATOR	\$30.35	MD OPERATOR
FOREMAN (OUTSIDE)	\$33.65	FOREMAN
TRUCK DRIVER	\$24.60	TRUCK DR
CRANE OPERATOR	\$31.00	CRANE OPER

EQUIPMENT DESCRIPTION	ADJUSTED HOURLY RATES FOR EQUIPMENT INCLUDING OPERATOR									
	MONTHLY RATE		WEEKLY RATE		DAILY RATE		HOURLY RATE		MONTHLY COST	WEEKLY COST
	\$/HOUR	LABEL NAME	\$/HOUR	LABEL NAME	\$/HOUR	LABEL NAME	\$/HOUR	LABEL NAME		
CAT D4E	\$52.61	MCATD4	\$60.40	WCATD4	\$73.15	DCATD4	\$80.65	HCATD4	\$2,765.00	\$940.00
RIPPER D4	\$1.49	MRIPPERD4	\$2.11	WRIPPERD4	\$3.10	DRIPPERD4	\$3.85	HRIPPERD4	\$210.00	\$72.25
CAT D5B	\$65.34	MCATD5	\$77.75	WCATD5	\$98.38	DCATD5	\$110.00	HCATD5	\$4,415.00	\$1,500.00
RIPPER D5	\$2.85	MRIPPERD5	\$4.05	WRIPPERD5	\$5.89	DRIPPERD5	\$6.95	HRIPPERD5	\$405.00	\$140.00
CAT D6D	\$78.27	MCATD6	\$95.15	WCATD6	\$123.53	DCATD6	\$139.15	HCATD6	\$6,005.00	\$2,040.00
RIPPER D6	\$3.68	MRIPPERD6	\$5.20	WRIPPERD6	\$7.58	DRIPPERD6	\$8.95	HRIPPERD6	\$525.00	\$180.00
CAT D7G	\$100.19	MCATD7	\$124.48	WCATD7	\$164.85	DCATD7	\$188.60	HCATD7	\$8,640.00	\$2,935.00
RIPPER D7	\$15.10	MRIPPERD7	\$6.58	WRIPPERD7	\$9.61	DRIPPERD7	\$11.35	HRIPPERD7	\$660.00	\$225.00
CAT D8K	\$114.80	MCATD8K	\$142.45	WCATD8K	\$188.33	DCATD8K	\$213.95	HCATD8K	\$9,830.00	\$3,340.00
RIPPER D8	\$11.00	MRIPPERD8	\$15.38	WRIPPERD8	\$22.25	DRIPPERD8	\$26.55	HRIPPERD8	\$1,540.00	\$525.00
CAT D8L	\$135.12	MCATD8L	\$171.20	WCATD8L	\$231.20	DCATD8L	\$264.95	HCATD8L	\$12,790.00	\$4,350.00
CAT D9L	\$167.59	MCATD9	\$213.98	WCATD9	\$290.98	DCATD9	\$334.10	HCATD9	\$16,455.00	\$5,595.00
RIPPER D9	\$14.79	MRIPPERD9	\$20.63	WRIPPERD9	\$30.50	DRIPPERD9	\$35.75	HRIPPERD9	\$2,075.00	\$705.00
CAT D10 (STRAIGHT)	\$256.05	MCATD10	\$333.10	WCATD10	\$461.23	DCATD10	\$533.10	HCATD10	\$27,360.00	\$9,300.00
RIPPER D10	\$20.79	MRIPPERD10	\$29.08	WRIPPERD10	\$42.95	DRIPPERD10	\$50.45	HRIPPERD10	\$2,920.00	\$995.00
LOADER CAT. 966D	\$93.51	MCAT966D	\$114.58	WCAT966D	\$149.70	DCAT966D	\$168.45	HCAT966D	\$7,490.00	\$2,545.00
LOADER CAT. 950B	\$80.32	MCAT950B	\$97.20	WCAT950B	\$125.58	DCAT950B	\$141.20	HCAT950B	\$6,005.00	\$2,040.00
LOADER CAT. 955L	\$69.84	MCAT955L	\$83.58	WCAT955L	\$106.58	DCAT955L	\$119.20	HCAT955L	\$4,865.00	\$1,655.00
LOADER CAT. 953	\$68.76	MCAT953	\$82.00	WCAT953	\$103.88	DCAT953	\$116.50	HCAT953	\$4,710.00	\$1,600.00
GRADER CAT 12G	\$77.73	MCAT12G	\$94.50	WCAT12G	\$122.50	DCAT12G	\$138.25	HCAT12G	\$5,980.00	\$2,030.00
GRADER CAT 14G	\$96.22	MCAT14G	\$119.63	WCAT14G	\$158.38	DCAT14G	\$181.50	HCAT14G	\$8,310.00	\$2,825.00
GRADER CAT 16G	\$122.10	MCAT16G	\$154.30	WCAT16G	\$207.30	DCAT16G	\$237.30	HCAT16G	\$11,405.00	\$3,880.00
10YD TRUCK	\$63.25	MTRUCK10YD	\$70.55	WTRUCK10YD	\$77.43	DTRUCK10YD	\$84.30	HTRUCK10YD	\$3,555.00	\$1,100.00
FARM TRACTOR DEERE 310B	\$46.50	MDEERE310B	\$52.23	WDEERE310B	\$61.73	DDEERE310B	\$67.35	HDEERE310B	\$2,050.00	\$695.00
DISC ATTACHMENT	\$1.71	MDISK	\$2.06	WDISK	\$2.69	DDISK	\$3.00	HDISK	\$125.00	\$42.50
DRILL ATTACHMENT	\$1.71	MDRILL	\$2.06	WDRILL	\$2.69	DDRILL	\$3.00	HDRILL	\$125.00	\$42.50
CRIMPER ATTACHMENT	\$1.71	MCRIMP	\$2.06	WCRIMP	\$2.69	DCRIMP	\$3.00	HCRIMP	\$125.00	\$42.50
LOADER BACKHOE DEERE 410B	\$49.13	MDEERE410B	\$55.98	WDEERE410B	\$67.23	DDEERE410B	\$73.60	HDEERE410B	\$2,425.00	\$825.00
LOADER BACKHOE CASE 580E CK	\$48.65	MCASE580E	\$55.30	WCASE580E	\$66.55	DCASE580E	\$72.55	HCASE580E	\$2,350.00	\$800.00
EXCAVATOR LINK-BELT LS-3400	\$88.50	MLINKLS3400	\$107.53	WLINKLS3400	\$138.28	DLINKLS3400	\$156.40	HLINKLS3400	\$7,410.00	\$2,445.00
GROVE MODEL 68 CRANE	\$75.96	MGROVE68	\$89.03	WGROVE68	\$99.65	DGROVE68	\$109.90	HGROVE68	\$5,070.00	\$1,675.00
TRACTOR-TRAILER 40TON CAP.	\$66.90	MTRACK-TRAIL	\$77.35	WTRACK-TRAIL	\$88.60	DTRACK-TRAI	\$98.25	HTRACK-TRAIL	\$4,760.00	\$1,500.00
MULCH BLOWER (W/3 LABORERS)	\$110.36	MMULCHER	\$112.50	WMULCHER	\$115.48	DMULCHER	\$118.10	HMULCHER	\$750.00	\$256.00
HYDRO SEEDER W/1LABORER	\$83.12	MHYDROSEED	\$89.40	WHYDROSEED	\$98.15	DHYDROSEED	\$105.65	HHYDROSEED	\$2,195.00	\$750.00

UNIT COST REFERENCE FOR BOND ESTIMATE:

JOB	RANGE NAM	COST /UNIT	MEANS # OR REF.
MISC. DEMOLITION & REMOVAL	MISC	\$4.59 /YD3	2.20400100
CONCRETE	CONC	\$5.94 /YD3	2.20400050
FOUNDATIONS/PADS (6" THK)	SLAB	\$3.77 /FT2	2.21800440
PAVEMENT	PAVEMENT	\$1.48 /YD2	2.14501700
POWERLINES	POWERLINE	\$3.62 /FT	[DOGM EST.]
FENCE REMOVAL	FENCE	\$1.22 /FT	2.14500700
GUARDRAIL REMOVAL	GUARDRAIL	\$4.45 /FT	2.14500800
OFF-SITE DISPOSAL	DISPOSAL	\$8.80 /YD3	2.14505600
ON-SITE DISPOSAL	ON SITE	\$5.10 /YD3	2.14505500
DRILL SEED COST	SEED DR	\$94.05 /ACRE	[DOGM EST.]
BROADCAST SEED COST	SEED BR	\$141.08 /ACRE	[DOGM EST.]
HAY MULCH	HAY	\$140.00 /TON	[DOGM EST.]
HYDRO MULCH	HYDRO	\$225.00 /TON	[DOGM EST.]
FERTILIZER	FERTILIZE	\$0.35 /LB	[DOGM EST.]
MULCH NETTING(INCL. LABOR)	NETTING	\$1,050.00 /ACRE	[DOGM EST.]
SEEDLINGS INCL. LABOR	SEEDLINGS	\$2.25 /STEM	[DOGM EST.]
CUTTINGS INCL. LABOR	CUTTINGS	\$1.50 /STEM	[DOGM EST.]
SOIL ANALYSIS	SOIL SAMP	\$100.00 /SAMPLE	[DOGM EST.]
WATER ANALYSIS	WATER SAM	\$100.00 /SAMPLE	[DOGM EST.]
RIPRAP MATERIALS	RIPRAP	\$22.00 /YD3	2.33600100
FILTER BED GRAVEL	FILTER	\$12.00 /YD3	[DOGM EST.]
PORTALS	PORTAL	\$2,700.00 /EACH	[DOGM EST.]
SHAFTS - SMALL VENTILATION	VENT SHAF	\$3,200.00 /EACH	[DOGM EST.]
SHAFTS - LARGE SERVICE	SERVICE S	\$4,500.00 /EACH	[DOGM EST.]